

**Site 12 Field Work Update
Westside/ Bayside/ North Point**

**NAVAL STATION TREASURE ISLAND
SAN FRANCISCO, CALIFORNIA**

**Base Closure Team Meeting
December 9, 2015**

Site 12 Field Work Update

- Progress Update: North Point
- Progress Update: Bayside
- Progress Update: Westside
- Munitions Debris Update
- Examples of Solid Waste
- Low Level Radiological Object (LLRO) and Waste bins and containers
- Activity Schedule
- Contact Information

Project Status: Disposal Area North Point



- Soil excavated: 7,672 cubic yards (116% of planned amount)
 - Removal of deeper debris deposits in 3 of 4 survey units completed
 - 1 survey unit backfilled
- 15 rad objects (LLROs) removed
- Remaining work:
 - Complete deeper debris removal in remaining 1 survey unit
 - Radiological survey and asbestos abatement of Building 1235
 - Building 1235 demolition
 - Debris removal beneath Building 1235
 - Backfill excavated areas

Project Status: Disposal Area North Point



Survey Unit (SU) 1



Disposal Area North Point, Survey Unit 1

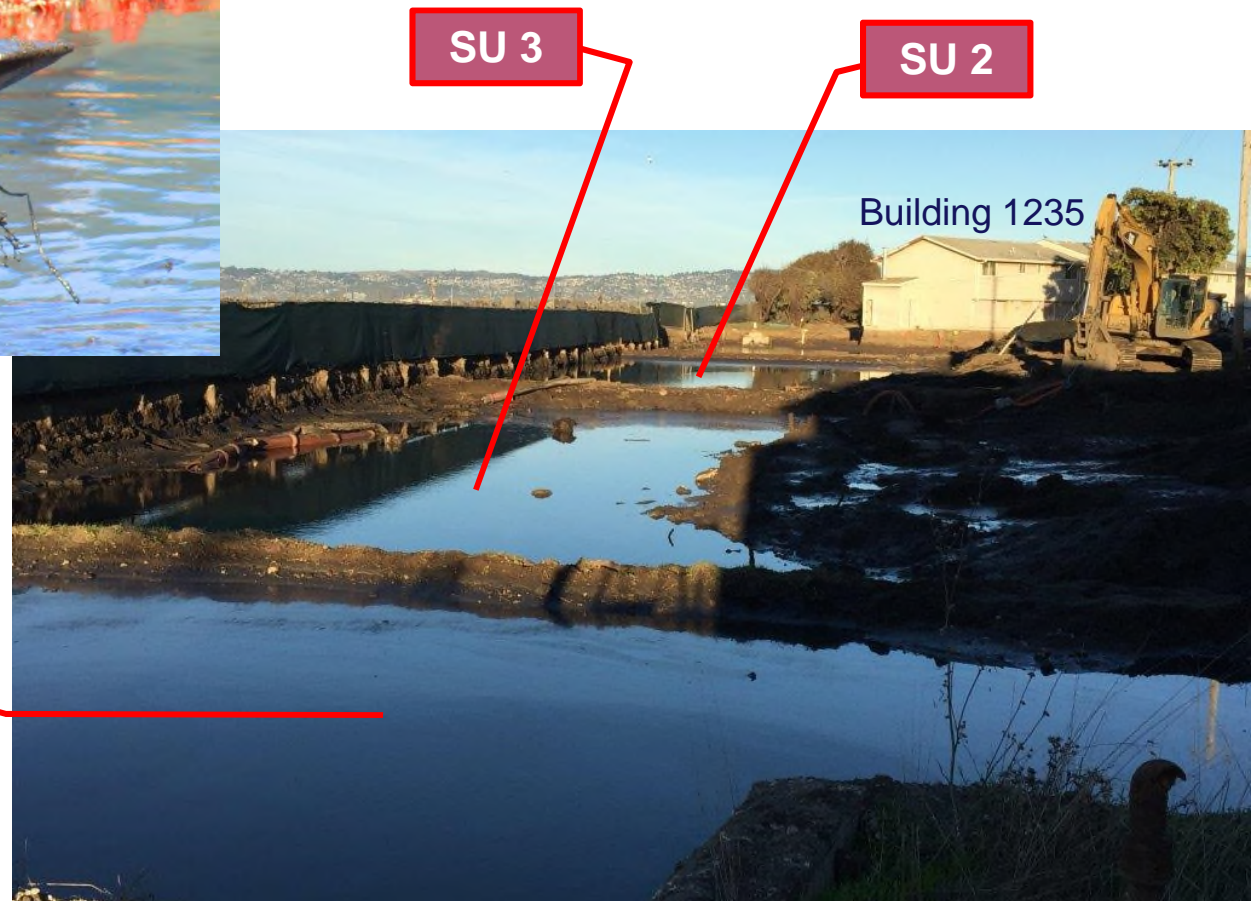


Disposal Area North Point (looking west) after backfill was completed

Project Status: Disposal Area North Point

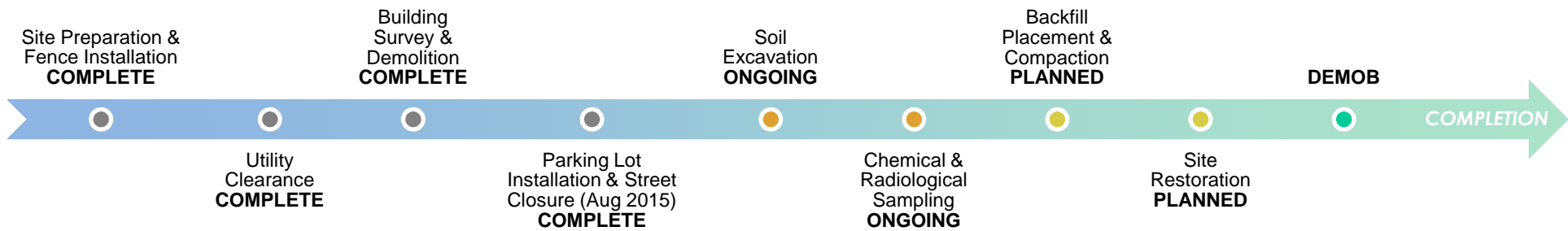


Removal of debris from deeper depths (4-12 feet below ground surface) at Disposal Area North Point.



North Point (looking east): SU (survey unit) 1 has been backfilled. SU 2 and 3 have completed debris removal. Currently completing excavation in SU 4.

Project Status: Disposal Area Bayside



- Soil excavated (to date): 8,244 cubic yards (64% of planned amounts)
- Concrete processing (building foundations) complete
- 69 LLROs removed
- Radiological survey/sampling 1 of 5 survey units complete
- Revising work plan document to include debris and munitions scrap from the "Historic Burn Area"
- Remaining work:
 - Removal of deeper debris and rad objects at "Historic Burn Area"
 - Radiological survey and confirmation sampling in remaining four survey units
 - Backfill excavated areas

Project Status: Disposal Area Bayside

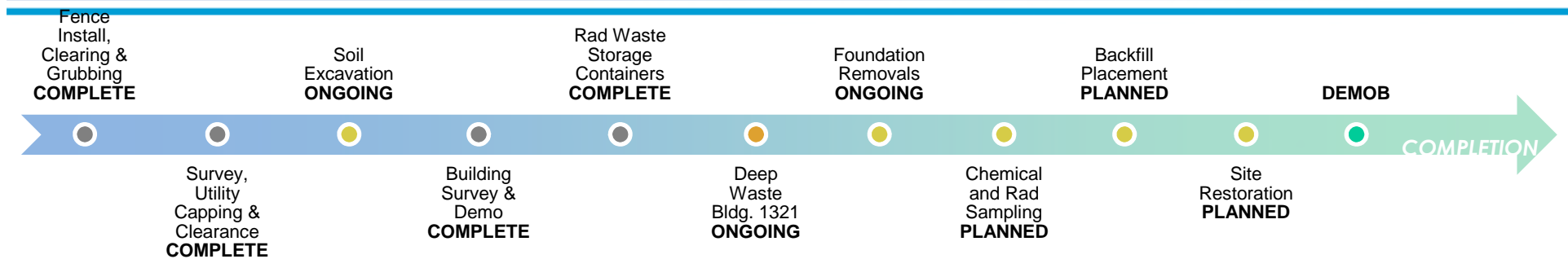


Debris found within "Historic Burn Area".



Radiological scanning of darker material from "Historic Burn Area"

Project Status: Disposal Area Westside



- Partially excavated in 2007 – Actively excavating remaining areas
- Soil excavated (to date): 1,158 cubic yards (8% planned amount)
- 12 LLROs removed
- Material processing of five rad waste containers complete (87 LLROs extracted)
- Removal concrete building foundations underway
- October 2015: Began installation of slide rail system and excavation of deep waste area (30% complete)
- Remaining work:
 - Remove four remaining concrete building foundations
 - Complete removal of solid waste at deep waste area
 - Solid waste removal in remaining areas
 - Backfill

Project Status: Disposal Area Westside

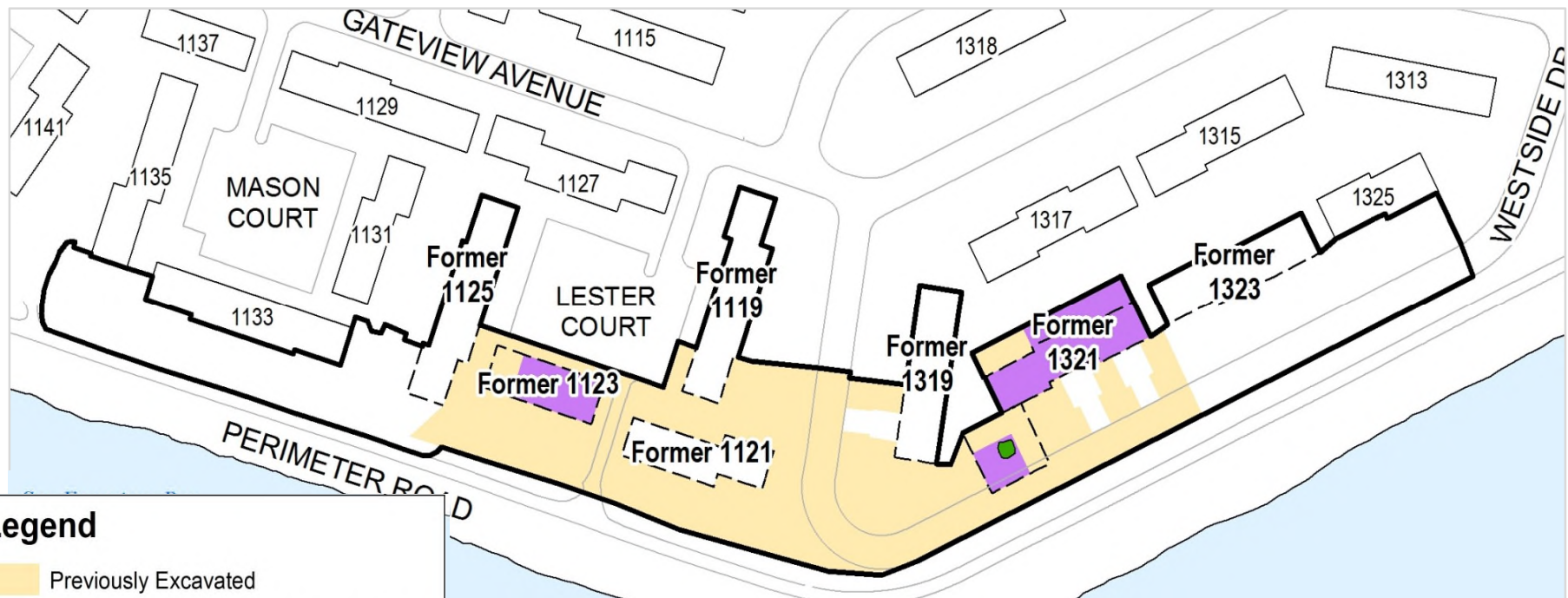
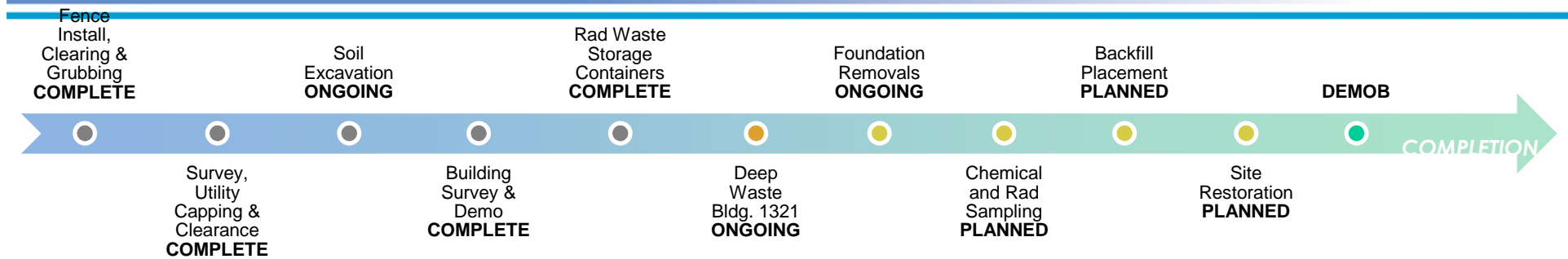


Installation of slide rail system to aid removal of waste deposited at depth (4-15 feet below ground surface) at Building 1321 Deep Waste Area.



Excavation of cable and large metal pieces from within the slide rail "boxes" at Building 1321 Deeper Waste Area.

Project Status: Disposal Area Westside



Legend

- Previously Excavated
- Previously Identified Deep Buried Waste
- Excavated Impacted Material

Disposal Area Westside – Munitions Debris Update



- 28 pieces of munitions debris have been found during the excavation work (to date)
- On November 19, munitions experts discovered a 2" inch cartridge casing that may have contained a primer
- The primer was vented prior to disposal



Left: Team protocol and safety briefing



Left: 2" inch cartridge case in a 5 gallon bucket before venting

Examples of Wastes from Disposal Areas



Welding rods removed from North Point from 4-12 feet below ground surface



Munitions Scrap from Westside



Large metal debris and cables removed from Deep Waste Area at Building 1321 at Westside.



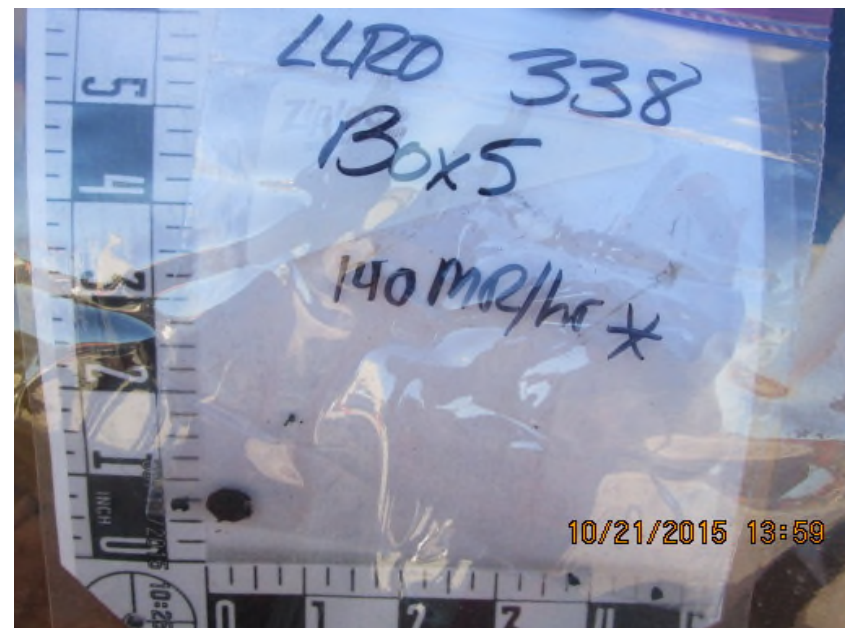
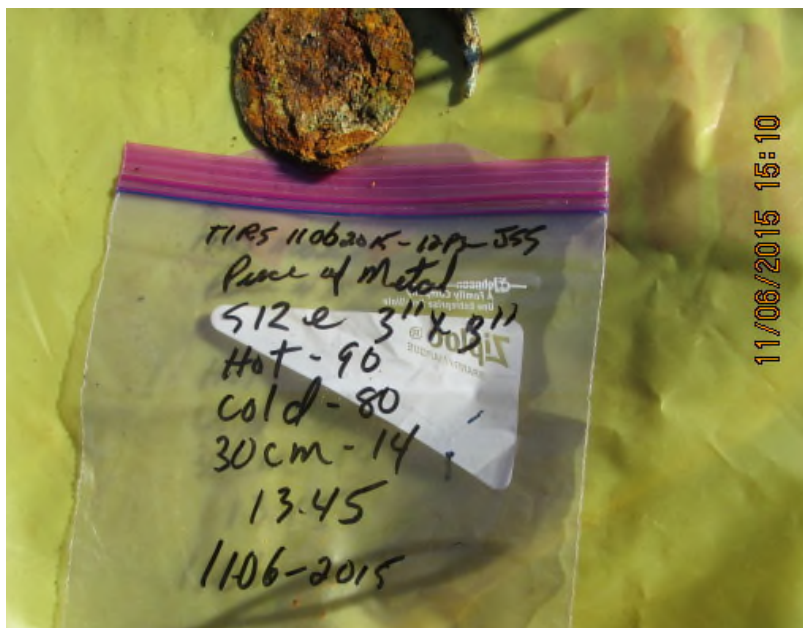
Sewer line piping, concrete and waste soils from North Point



Project Status – Low Level Radiological Object (LLRO)



- 793 LLROs at Treasure Island to date
- Since Site 12 field work started (May 2015), 183 LLROs have been encountered and removed:
 - Radiological waste containers: 87 LLROs
 - Disposal Areas: 96 LLROs



Low-level Radiological Waste (LLRW) Roll-off Bins



- 30 roll-off bins have been filled with LLRW since project start
- Navy's LLRW licensed waste broker (Environmental Management Services, Inc) handle shipping and disposal
- Bins typically get shipped to US Ecology's facility in Grandview, Idaho



LLRW bins filled and ready for release to EMS for disposal

Project Status: Disposal Area Westside – Radiological Waste Storage Containers



- Five radiological waste containers were processed in October
- Containers have been transferred to (Environmental Management Services, Inc)
- EMS is preparing for shipment
- Waste containers are planned to be shipped to US Ecology



Processed Radiological Waste Storage Containers

Activity Schedule: Monthly Look Ahead



December January
2016 February March April May June July

North Point

Excavation: Clean Backfill

Excavation: Buffer Backfill

Excavation: Debris/Impacted Soil

Backfill

Excavation: Beneath Bldg 1235

RSY Pad Construction/Operations

Bayside

Excavation: Clean Backfill

Excavation: Buffer Backfill

Excavation: Impacted Soil

Backfill

Excavation: Burn Area

RSY Pad Operations

Westside

Excavation: Clean Backfill

Excavation: Buffer Backfill

Excavation: Impacted Soil

Site 32/Bigelow Crt

RSY Pad Processing

Dust and Air Monitoring

Schedule of Milestones



May 2015 – Excavations Started

April 2016 – Excavations Complete

May 2016 – Soil Pad Processing Complete

May 2016 – Radiological Field (Final Status) Surveys Complete

June 2016 – Site Restoration Complete

July 2016 – Waste Disposal Complete

Aug 2016 – Final Status Survey Report

Aug 2016 – Final Remedial Action Completion Report



Artistic renderings from TIDA website

Contact Information



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QUESTIONS?